

Claims

I claim:

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1. A method for customizing a structured document for delivery to an internet appliance, comprising:

identifying information units in said structured document;

selecting one or more of said information units for delivery;

10 creating in a database a second structured document including said one or more of said information units; and

delivering said second structured document to said internet appliance.

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2. A method as in Claim 1, wherein said second structured document comprises an XML document.

20 3. A method as in Claim 1, further comprising creating a menu including said information units, said menu being adapted for selection by a user and being presented to said user on a graphical display.

4. A method as in Claim 1, wherein said internet appliance comprises a mobile telephone.

25 5. A method as in Claim 1, wherein said internet appliance comprises a personal digital assistant.

6. A method as in Claim 1, wherein said internet appliance comprises a hand-held computer.

7. A method as in Claim 1, further comprising, prior to said identifying, specifying said structured document from by a uniform resource locator (URL).

8. A method as in Claim 1, further comprising, 5 prior to said identifying, selecting said structured document from a list of bookmarks.

9. A method as in Claim 1, wherein said internet appliance includes means for determining the internet appliance's geographical location.

10 10. A method as in Claim 9, further comprising including in said second document pre-configured resources.

11. A method as in Claim 10, wherein said pre-15 configured resources comprises location-specific information.

12. A method as in Claim 10, wherein said pre-configured resources are updated at specified time intervals.

13. A method as in Claim 1, wherein said second 20 document is adapted for display on said internet appliance in accordance with a profile of said internet appliance.

14. A method as in Claim 13, further comprising, prior to said selecting, creating said profile of said 25 internet appliance.

15. A method as in Claim 1, further comprising, prior to said delivery, presenting on said internet appliance a menu for selection, said menu including as a selection item a bookmark representing said second 30 structured document.

16. A method as in Claim 1, wherein said second structured document is associated in said database with a specified user.

17. A database comprising:

5 a user record identifying a user;
a device record identifying an internet appliance;
a client record identifying a browser running on said internet appliance;
10 a user_client record associating said user record with said client record; and
a device profile record associating said user_client record with said device record.

18. A database as in Claim 17, further comprising
15 a channel record associated with said user_client record, said channel representing a pre-configured resource.

19. A database as in Claim 17, further comprising
a site record associated with said user_client record,
20 said site record representing a specified resource.

20. A database as in Claim 19, further comprises
a customization record associated with said site record, said customization record representing
modification of said resource in accordance with said
25 device_profile record.

21. A document customization system, comprising:

a management server offering a document customization service to a user;

a document manager associated with said management server for performing said document customization service to structured documents identified by said user;

5 a database accessible by said document manager, said database storing customized structured documents resulting from said document manager performing said document customization service; and

10 a portal for accessing said customized structured documents in said database.

22. A document customization system as in Claim 21, wherein said portal is customized for access by an internet appliance.

15 23. A document customization system as in Claim 22, wherein said internet appliance comprises a personal digital assistant.

24. A document customization system as in Claim 22, wherein said internet appliance comprises a mobile telephone.

20 25. A document customization system as in Claim 22, wherein said internet appliance comprises a hand-held computer.

26. A document customization system as in Claim 21, wherein said management server provides a web page-based interface to said document manager.

27. A document customization system as in Claim 21, wherein said document manager parses said structured documents to identify information units in said structured documents.

28. A document customization system as in Claim 21, wherein said customized structured documents are stored in a hypertext format.

29. A document customization system as in Claim 5 21, wherein said database comprises:

a user record identifying a user;

a device record identifying an internet appliance;

10 a client record identifying a browser running on said internet appliance;

a user_client record associating said user record with said client record; and

a device profile record associating said user_client record with said device record.

15 30. A document customization system as in Claim 29, wherein said database further comprises a channel record associated with said user_client record, said channel representing a pre-configured resource.

20 31. A document customization system as in Claim 29, wherein said database further comprising a site record associated with said user_client record, said site record representing a specified resource.

25 32. A document customization system as in Claim 31, said database further comprises a customization record associated with said site record, said customization record representing modification of said resource in accordance with said device_profile record.